### MassDEP C&D Subcommittee

One Winter Street, Boston

June 18, 2019 10:00 AM to 12:00 PM



# **Agenda**

- Welcome/Safety/Introductions
- SWMP/C&D Action Plan Development
- 2018 C&D Facility Annual Report Summary Data
- Gypsum Wallboard Recycling Discussion
- Announcements/Updates

## SWMP/C&D Action Plan Development

### Status & Schedule Update

- Spring/Summer 2019: write draft plan
- Fall 2019: release public hearing draft
- Late 2020: publish final plan

Detailed Material Categories	Estimated 2017 Disposal	2030 Disposal (90% Goal)	2030 Reduction (90% Goal)	2030 Disposal (80% Goal)	2030 Reduction (80% Goal)
Remainder/Composite Metal	75,510	71,735	3,776	71,735	3,776
Glass	73,567	59,581	13,986	60,501	13,066
Glass Beverage Containers (non-MA deposit containers)	25,048	17,534	7,514	18,035	7,013
Other Glass Packaging Containers (non-MA deposit containers)	15,889	14,300	1,589	14,459	1,430
Glass MA Deposit Beverage Containers	13,006	9,104	3,902	9,365	3,642
Remainder/Composite Glass	19,623	18,642	981	18,642	981
Organic Materials	1,426,393	793,536	632,858	843,303	583,090
Food Waste	1,184,006	592,003	592,003	639,363	544,643
Branches and Stumps	5,744	5,170	574	5,227	51
Prunings, Trimings, Leaves and Grass	114,257	79,915	34,342	82,265	31,992
Manures	3,621	3,621	-	3,621	-
Remainder/Composite Organic	118,764	112,826	5,938	112,826	5,93
Construction and Demolition (in MSW and C&D streams)	920,782	660,406	260,376	764,831	155,95
Asphalt Pavement, Brick, and Concrete	3,314	1,657	1,657	1,790	1,52
Aggregates, Stone, Rock	19,993	9,996	9,996	10,796	9,19
Wood – Treated	298,516	277,486	21,030	283,590	14,926
Wood – Untreated	233,435	98,180	135,255	126,055	107,380
Asphalt Roofing	70,309	27,072	43,238	63,982	6,32
Drywall/Gypsum Board	45,861	41,732	4,129	41,734	4,128
Carpet and Carpet Padding	174,616	133,461	41,155	165,885	8,73
Remainder/Composite Construction and Demolition	74,737	70,822	3,916	71,000	3,73

Excerpt: Draft Analysis of 2030 Waste Reduction Potential <a href="https://www.mass.gov/doc/draft-analysis-of-2030-waste-reduction-potential">https://www.mass.gov/doc/draft-analysis-of-2030-waste-reduction-potential</a>

# SWMP/C&D Action Plan Development

#### **DRAFT C&D Waste Reduction Goal**

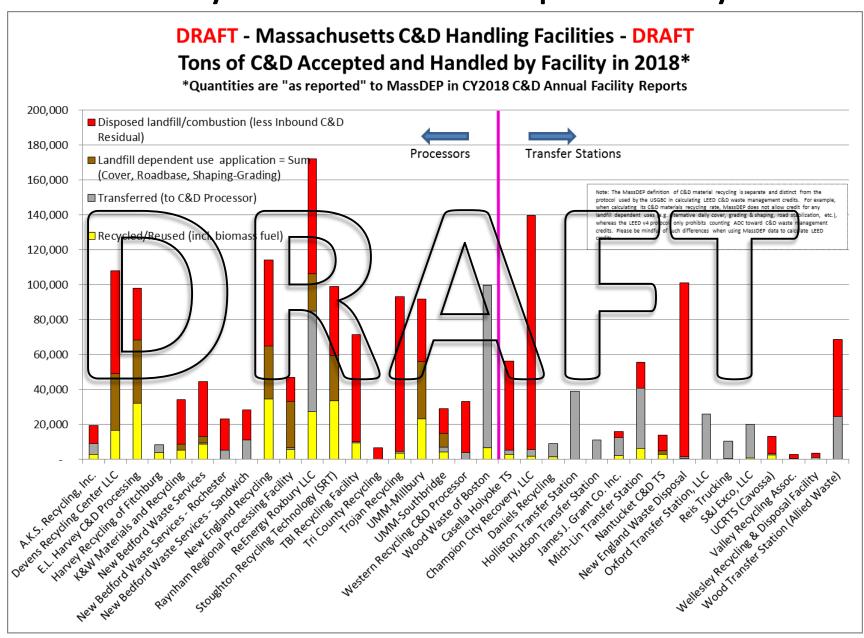
*Goal:* By 2030, reduce the disposal of C&D materials by 250,000 tons annually, based off of a 2017 baseline of estimated C&D waste managed through both MSW and C&D handling facilities. These annual disposal reductions will be advanced primarily through four strategies:

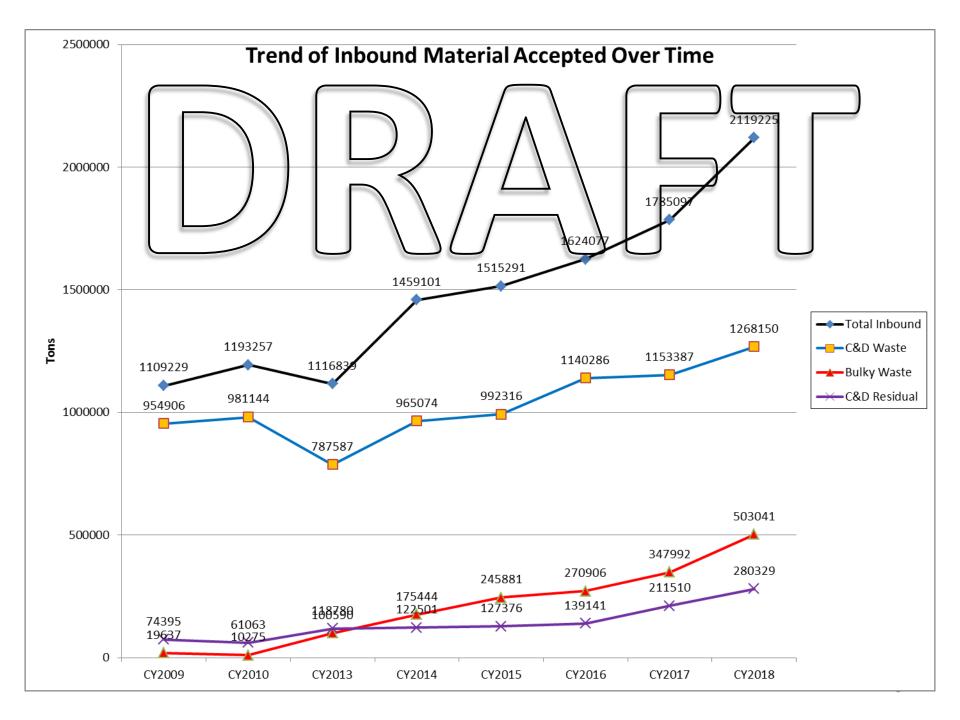
- Improved operational performance of C&D Material Processors
- Optimize diversion of C&D materials from MSW Handling Facilities to C&D Material Processors
- Encourage donation and reuse of high value building materials to reduce C&D waste generation
- Promote jobsite source separation of materials that adversely impact operational performance of C&D processors

#### **Challenge:** How do we capture entire universe of C&D materials management?

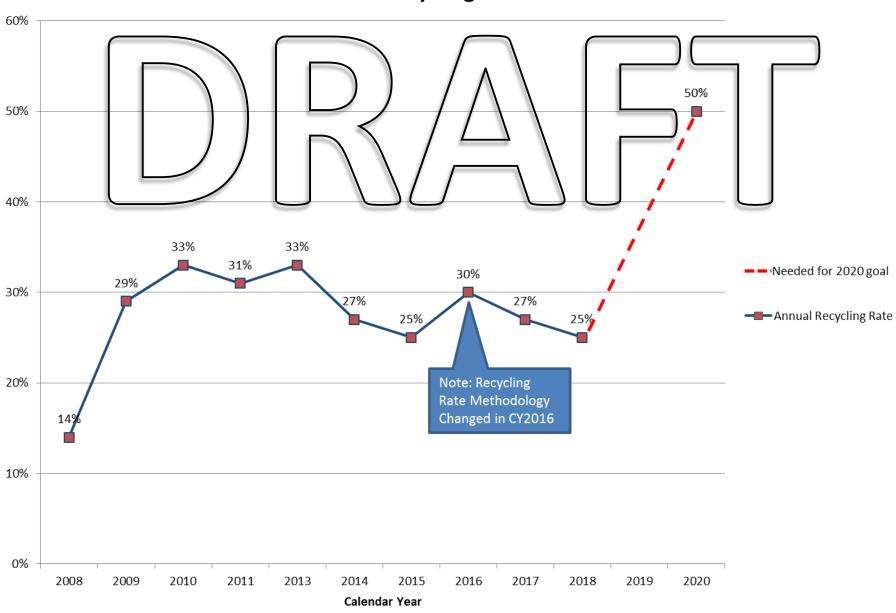
- Current annual report data only captures Solid Waste Handling Facilities
- What about:
  - Source separated material generated at construction jobsites
  - C&D material shipped to out-of-state processors
  - C&D materials donated/reused
  - C&D materials not otherwise reported

#### Preliminary CY2018 C&D Annual Report Summary Data

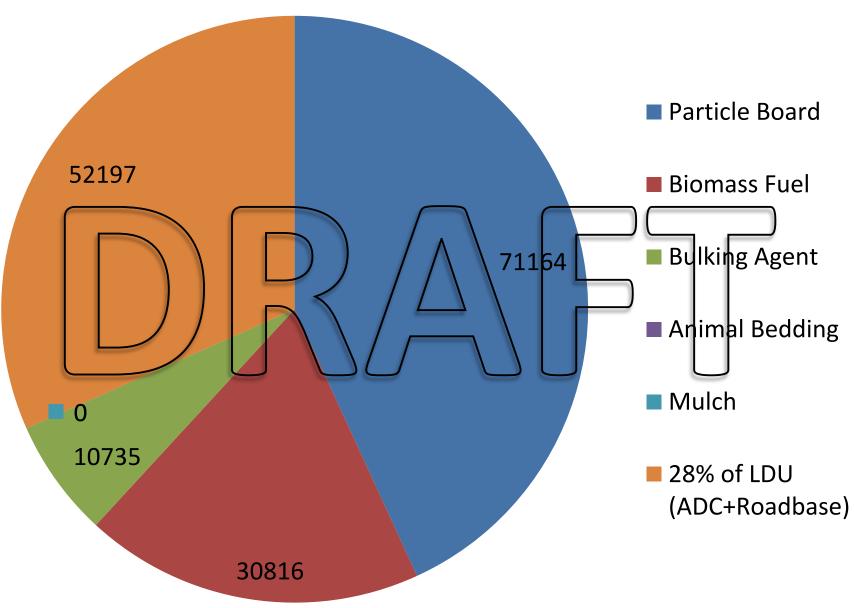




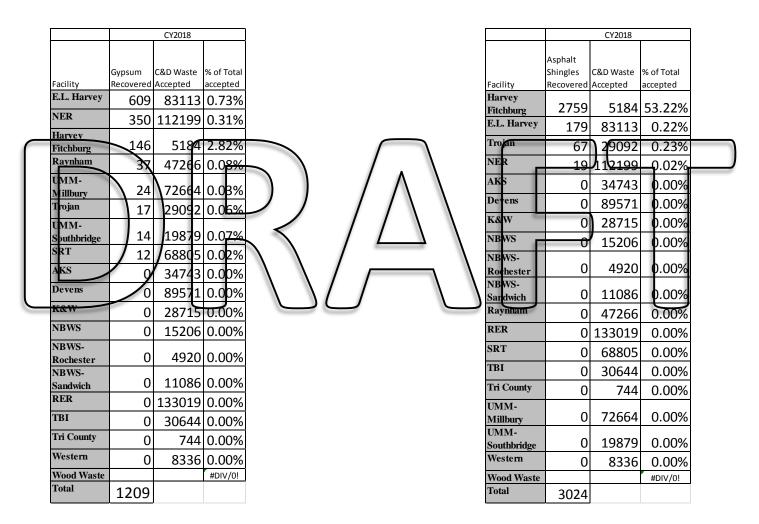
#### **C&D Annual Recycling Rate Trend Chart**



#### CY2018 Wood Products Recovered (164,912 tons total)



### CY2018 Other Processed Materials Recovered



## Gypsum Wallboard Recycling Discussion

- Overview/Framework (Jim Newman, Linnean Solutions)
- RBDG (Josh Cook, MassDEP)
- Stakeholder Feedback (Abbey Massaro, Recycling Works)
- Gypsum Recycler Introductions



Source: CDRA

## MassDEP Recycling Business Development Grant Program

<u>RBDG</u>: Intended to enhance waste reduction and recycling programs for Massachusetts based businesses.

- Grants awards range from \$50K to \$400K for eligible projects
- Match: grantee must contribute 25% of project investment
- Performance based component extends over 18 24 months

#### CY2019 Grant Cycle

- Application found at: <a href="https://www.mass.gov/how-to/recycling-business-development-grants">https://www.mass.gov/how-to/recycling-business-development-grants</a>
  - CY2019 target materials include: Clean Gypsum Wallboard processing and recycling of clean wallboard
- Deadline:
  - October 4, 2019

# **ANNOUNCEMENTS/UPDATES...**

# **CDRA Updates**

- Presented by Bill Turley,
  CDRA Executive Director
  - EPA/America RecyclesDay
  - Legislative Roadmap
  - C&D Fines/Biochar
  - ConExpo-ConAgg
  - SWEEP



### For More Information:

### Point of Contact:

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